AIWA® DATE OF ISSUE 3/1985 SERVICE MAN

STEREO PREAMPLIFIER

MODEL NO.

3X-120



STEREO POWER **AMPLIFIER**

MODEL NO.



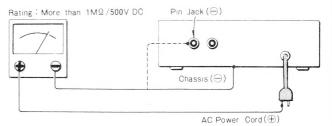
TYPE. HB, UB, EB, KB, ZB

Follow the instructions carefully, which will allow the user to optimise the products' performance and give many years of serivce.

- a.c. primary circuit including mains leads.
- 2 No illegibility shall be given to the specification plate, the caution labels, the fuse labels and others.
- 3. When, on pattern sides of circuit boards, additional repair-parts have been made up, the parts shall be firmly glued to circuit boards or other components, unless the parts can be attached
- 4. The following matters shall be maintained as they are, when repairing.
 - 1) Soldering of lead-wire ends
 - * Care should be taken of the space distance in an a.c. primary circuit as well as soldering.
 - 2) Wiring and holding of lead-wires with wire-clips and binders
 - 3) Materials of lead-wires
 - * e.g.; For UL models, lead-wires to be used shall be ap- 6. General instructions for mechanism repair proved or accepted by the UL.
 - 4) Location of all kinds of insulators
 - 5) Setting of voltage selector switch
 - *Set the Voltage Selector Switch to 240V, 220V, or 120V, According to your Local Voltage.

1. No scratch and melting shall be made to covered lead-wires of an 5. After repaired, the insulation resistance or leakage current shall be measured with 500 \pm 5V D.C and shall be not less than 1M Ω . Measuring Point

Connect to Chassis or Outside ⊖ of Pin Jack



- 1) E-rings and poly slider washers shall be replaced with new ones, if once those have been removed. - No re-utilization due to unreliability.
- 2) Regular spare-parts shall always be used for repair, because using irregular parts and tampering with the products shall cause deterioration, mulfunction and damage.

SPECIFICATIONS

GX-120

Total harmonic distortion:

TUNER, AUX, TAPE PLAY, CD

0.02% (1 kHz)

PHONO (MM)

0.01% (1 kHz, REC OUT)

Frequency response:

30 Hz to 50 kHz (+0.5/-3 dB)

S/N ratio:

IHF A curve short circuited

GX-120E, H, K, G, U

PHONO (MM) 80 dB TUNER, AUX, TAPE 83 dB

GX-120Z

PHONO (MM)

76 dB TUNER, AUX, TAPE 83 dB

Input jacks (Sensitivity/input

impedance):

PHONO (MM)

3 mV/47k ohms

TUNER

150 mV/47k ohms

CD

320 mV/27k ohms **TAPE**

150 mV/47k ohms

AUX

150 mV/47k ohms

MIC

1 mV/10 kOhm

Output jacks (Level/output impedance):

TAPE: 130 mV/47k ohms

(REC OUT)

OUTPUT: 1 V/47k ohms ±0.5 dB (20 Hz ~ 20 kHz)

RIAA deviation:

Design and specifications are subject to change without

notice,

BX-120

Effective output power: BX-120H

100W+100W (10%, 8 ohms)

BX-120G, E, K, Z

75W+75W (0.009%, 1 kHz,

8 ohms)

<FTC Rule U mode only> 75 Watts per channel, Min. RMS at 8 ohms, from 20 Hz-20 kHz, with no more than 0.02% Total Harmonic

Distortion.

Total harmonic distortion:

0.01% (50W+50W, 20 Hz-20 kHz, 8 ohms)

Frequency response: S/N ratio:

10 Hz to 50 kHz (-1 dB) IHF 110 dB, A curve short

circuited

Input jacks (Sensitivity/

input impedance): BX-120H

1V/47k ohms BX-120G, E, K, Z, U

800 mV/47k ohms

Output jacks (Level/

Headphones 1 mW/1 W (8 Ω) output impedance):

Speakers (A or B) 8 to

16 ohms

Speakers (A+B) 16 ohms

Damping Factor:

More than 30 (8 ohms, 1 kHz)

Power requirements: BX-120U

AC 120V, 60 Hz

BX-120G, K

AC 240V, 50/60 Hz

BX-120H

AC 120V/220V/240V switchable, 50/60 Hz

BX-120E, Z

AC 220V, 50/60 Hz

Power consumption: BX-120G, E, K, Z

350 W BX-120U 100 W BX-120H

118 W

300 (W) \times 71 (H) \times 200 (D) mm **Dimensions:**

Weight:

4.5 kg

Design and specifications are subject to change without notice.

ECTRICAL MAIN PARTS LIST (GX-120).

• +++ mark denotes a component of assembled part which part code is represented by a previously stated component.

No mark, U, UF: μF

CAPACITORS

COILS

MMH: m UH : µH

	FUSE
Н	MMA:mA

ELECTRICAL MAIN

• * -mark means less required items and availabilities may be limited. P PF : pF Ref. No. Part No. Description Part No. Description Ref. No. Part No. Description Ref. No. Part No. Ref. No. Description Part No. 87-020-401 DIODE,1SS176 82-788-674 AC CORD (E) (E,Z ONLY) C170 * 87-018-032 CAP, CERA-SOL S 100P === 1C === 87-027-606 DIODE, ZENER HZ7C2L C171 * 87-015-679 CAP, ELECT, 33-10 87-034-708 AC CORD (K) (K ONLY) D23 87-020-291 IC.BA3812L D24 87-020-401 DIODE,1SS176 C172 * 87-015-679 CAP, ELECT, 33-10 * 87-085-139 AC CORD BUSHING D (H,U ONLY) 87-020-431 IC 87-027-350 IC,1R2406G 87-020-401 DIODE, 1SS176 * 87-015-698 CAP, ELECT 4.7-50 * 87-085-185 AC CORD BUSHING (E,K,Z ONLY) 87-027-298 Δ 87-027-895 IC.M5218L 87-020-429 10 87-027-925 IC,M5220 87-020-401 DIODE, 1SS176 * 87-015-698 CAP,ELECT 4.7-50 87-031-685 ROTARY SW (VOLTAGE SELECTOR) (H ONLY) 87-027-895 10 * 87-015-691 CAP, ELECT 0.1-50 81-739-641 TRANSFORMER P.T (H) (H ONLY) D27 87-020-401 DIODE, 1SS176 C175 87-020-145 IC M54563 * 87-015-692 CAP, ELECT 0.22-50V 81-731-607 TRANSFORMER P.T (U) (U ONLY) 87-020-401 DIODE, 1SS176 87-027-986 10 D28 (4) 87-020-379 IC,MN6632 87-027-555 DIODE, ZENER HZ5C2 C178 * 87-015-692 CAP, ELECT 0.22-50V **△** T1 81-731-608 TRANSFORMER P.T (E) (E,Z ONLY) 87-020-162 10 D29 87-027-986 1C,NJM4560 (f) 87-020-207 IC ⑤ 87-027-989 IC,TC4027BP * 87-027-889 LED LN342GP (TAPE) 81-731-609 TRANSFORMER P.T (K) (K ONLY) 87-020-401 DIODE.1SS176 D34 Δ T1 **⑤** 87-027-656 10 חצח * 87-027-889 LED LN342GP (TUNER) D35 D32 87-020-401 DIODE,1SS176 (5) 87-020-039 IC,TC4051BP * 87-027-889 LED LN342GP (AUX) 87-027-787 IC 87-020-401 DIODE,1SS176 D36 D33 (9) 87-027-656 IC,TC4066BP * 87-027-889 LED LN342GP (PHONO) D35 87-020-401 DIODE, 1SS176 D37 (5) 87-027-978 IC,TC9152P 87-027-405 DIODE, ZENER RD2.2EB 0.38 * 87-027-889 LED LN342GP (CD) === TRANSISTOR === 87-020-401 DIODE,1SS176 D40 * 87-020-393 LED, TLR-206RPH (MUTE) D37 === TRANSISTOR === 87-020-401 DIODE, 1SS176 D41 * 87-020-393 LED,TLR-206RPH (DSL) * 89-503-890 FE D42 * 87-020-393 LED, TLR-206RPH (GE) D39 87-020-401 DIODE,1SS176 89-110-155 TR 89-110-155 TRANSISTOR,2SA1015,GR 89-210-670 TRANSISTOR,2SB1067 89-110-203 TR 87-020-401 DIODE, 1SS176 87-027-431 DIODE, ZENER RD-6.2EB 89-111-246 TR D40 89-318-155 TRANSISTOR, 2SC1815, GR 87-020-401 DIODE, 1SS176 87-020-401 DIODE, 1SS176 D44 D41 89-320-011 TRANSISTOR, 2SC2001K D42 87-020-401 DIODE, 1SS176 87-020-401 DIODE, 1SS176 89-206-882 TR D46 87-020-401 DIODE, 1SS176 87-020-401 DIODE, 1SS176 89-318-155 TR D43 89-309-456 TRANSISTOR, 2SC945L, P 89-318-154 TR 89-408-804 TRANSISTOR, 2SD880, Y D47 87-020-401 DIODE.1SS176 87-020-401 DIODE,1SS176 89-320-011 TR 080 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) D51 87-027-475 DIODE, ZENER HZ-6B1 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) 89-326-326 TR 87-020-401 DIODE, 1SS176 D8 1 === MAIN CIRCUIT BOARD SECTION === * 87-020-399 LED, LN350GPH (VOLUME LEVEL) 87-027-606 DIODE, ZENER HZ7C2L D82 89-326-553 TR 89-333-810 TR MAIN CIRCUIT BOARD * 87-020-399 LED, LN350GPH (VOLUME LEVEL) 87-027-475 DIODE, ZENER HZ-6B1 D83 89-407-182 TR * 87-018-036 CAP, CERA-SOL S 220P C3 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) D84 87-020-401 DIODE, 1SS176 D68 * 87-018-036 CAP.CERA-SOL S 220P D85 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) 89-412-753 TR 069 87-020-401 DIODE, 1SS176 C7 * 87-018-024 CAP, CERA-SOL S 47P 87-020-401 DIODE, ISS176 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) 89-413-023 TR D70 * 87-018-024 CAP, CERA-SOL S 47P D87 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) D7 1 87-027-431 DIODE, ZENER RD-6.2EB * 87-018-044 CAP, CERA-SOL S 1000P C53 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) D88 === MAIN CIRCUIT BOARD 87-020-400 DIODE,1SR35-200 D72 C63 * 87-018-035 CAP, CERA-SOL 180P D89 * 87-020-399 LED, LN350GPH (VOLUME LEVEL) D73 87-027-376 DIODE, 184841 C64 * 87-018-035 CAP, CERA-SOL 180P 87-031-897 PUSH SW, SEA (POWER STANDBY/ON) SW10 D74 87-027-393 DIODE, ZENER HZ4C2 PCB-A * 87-018-131 CA C92 * 87-018-044 CAP, CERA-SOL S 1000P SW15 87-031-771 TACT SW EVQ-QSKO4M (VOLUME-UP) * 87-015-450 CA * 87-049-450 PIN JACK,4P (PHONO) C93* 87-018-042 CAP, CERA-SOL S 680P 87-031-771 TACT SW EVQ-QSKO4M (VOLUME-DOWN) SW16 PIN JACK, 4P (CD) C171 * 87-010-276 CA J2 * 87-012-110 CAP, BEAD 270P (Z ONLY) 87-031-771 TACT SW EVQ-QSK04M (TAPE) SW17 J3 * 87-049-420 PIN JACK 4P-14 (AUX) * 87-012-110 CAP, BEAD 270P (Z ONLY) C202 87-031-771 TACT SW EVQ-QSKO4M (PHONO) * 87-010-275 CA SW18 J4 PIN JACK 4P-14 (REC OUT) C172 C173 * 87-010-276 CA * 87-018-115 CAP, CERA-SOL 47P (Z ONLY) 87-031-771 TACT SW EVQ-QSK04M (TUNER) 81-739-630 JACK, ASSY (PLAYER SYNC) SW19 * 87-010-275 CA J5 C174 C204 * 87-018-115 CAP, CERA-SOL 47P (Z ONLY) 87-031-771 TACT SW EVQ-QSK04M (AUX) JACK, ASSY (REC/PLAY) SW20 * 89-663-815 CA **J**6 * 87-018-121 CAP.CERA-SOL 150P (Z ONLY) C205 87-031-771 TACT SW EVQ-QSK04M (CD) J7 +++ JACK ASSY (CONTROL) SW21 * 87-018-121 CAP, CERA-SOL 150P (Z ONLY) C206 VR15 87-021-898 SLIDE VOLUME 100KB (40HZ) JACK, ASSY (TUNER) * 87-010-035 CA J8 +++ 87-020-110 DI D25 * 87-018-121 CAP, CERA-SOL 150P (Z ONLY) * 87-018-121 CAP, CERA-SOL 150P (Z ONLY) VR16 87-021-898 SLIDE VOLUME 100KB (125HZ) C207 JACK, ASSY (CD SYNC) 87-020-110 DI J9 +++ D26 C208 **VR17** 87-021-898 SLIDE VOLUME 100KB (330HZ) 87-027-369 DI +++ JACK, ASSY (VIDEO SYNC) D30 J10 C209 * 87-018-121 CAP, CERA-SOL 150P (Z ONLY) VR18 87-021-898 SLIDE VOLUME 100KB (1KHZ) JACK, ASSY (OUTPUT) J11 +++ C210 * 87-018-121 CAP, CERA-SOL 150P (Z ONLY) 87-021-898 SLIDE VOLUME 100KB (2.5KHZ) 82-137-609 13P SOCKET (REMOTE CONTROL) VR19 D31 87-020-110 DI J12 87-020-110 DI D32 87-020-401 DIODE, 1SS176 87-021-898 SLIDE VOLUME 100KB (6.3KHZ) 87-020-110 DI 82-675-661 JACK 6.3 (HP) (MIX MIC) D33 87-020-401 DIODE, 1SS176 VR21 87-021-898 SLIDE VOLUME 100KB (15KHZ) 81-739-640 PUSH SW 3 (REC OUT) D34 87-020-400 DI SW1 87-027-225 DIQUE, ZENER 05Z-5.1L (TP) D3 SW2 PUSH SW 3 (MUTE) D5 87-020-401 DIODE, 1SS176 87-020-400 DI SW5 PUSH SW 3 (DSL) === POWER CIRCUIT BOARD SECTION === 87-027-788 DI 87-020-401 DIODE, 1SS176 D6 87-020-400 DI 87-021-922 VOLUME 50KW (BALANCE) 051 VR1 87-020-401 DIODE, 1SS176 D7 PCB-C POWER CIRCUIT BOARD 87-020-400 DI VR2 87-021-921 VOLUME 10KB (MIC VOLUME) 87-020-401 DIODE, 1SS176 * 87-019-110 SPARK KILLER 0.01 D D8 ⚠ CR1 D9 87-020-401 DIODE, 1SS176 87-035-139 FUSE T2.5A (E,Z ONLY) 87-020-110 DI D53 * 87-049-017 AC OUTLET (H,U ONLY) ∆J14 87-020-110 DI === FRONT CIRCUIT BOARD SECTION === D54 87-020-401 DIODE, 1SS176 D10 87-027-097 DI D55 87-020-401 DIODE, 1SS176 D11 **∆**J15 +++ AC OUTLET (H,U ONLY) 87-027-555 DI 81-740-620 FRONT CIRCUIT BOARD PCB-B D56 87-020-401 DIODE,1SS176 D12 **∆**J14 * 87-049-416 AC OUTLET (K ONLY) C141 * 87-015-696 CAP,ELECT 2.2-50 D13 87-020-401 DIODE, 1SS176 AC OUTLET (K ONLY) **∆**J15 +++ C142 * 87-015-696 CAP, ELECT 2.2-50 D57 87-027-686 DI * 87-049-514 AC OUTLET (E,Z ONLY) **∆**J14 87-020-110 DI C145 * 87-015-431 CAP, AL 0.68-25 D58 D14 87-020-401 DIODE, 1SS176 D59 87-020-110 DI 87-020-401 DIODE, 1SS176 **∆**J15 D15 AC OUTLET (F.7 ONLY) * 87-015-431 CAP, AL 0.68-25 D60 87-020-110 DI 87-020-401 DIODE, 1SS176 D16 * 87-018-040 CAP, CERA-SOL S 470P C155 D17 87-020-401 DIODE, 1SS176 * 87-018-040 CAP, CERA-SOL S 470P 87-020-110 DI 87-020-110 DI * 87-018-036 CAP, CERA-SOL S 220P D62 87-027-393 DIODE, ZENER HZ4C2 87-020-110 DI D63 D19 87-020-401 DIODE, 1SS176 === MISCELLANEOUS === C160 * 87-018-036 CAP CERA-SOL S 220P D64 87-027-479 DI 87-027-555 DIODE.ZENER HZ5C2 D20 * 87-015-698 CAP.ELECT 4.7-50 C161 D21 87-020-401 DIODE, 1SS176 87-034-992 AC CORD (H) (H ONLY) 81-738-630 JA * 87-015-698 CAP, ELECT 4.7-50 J1 C162 87-303-578 AC CORD (U) (U ONLY) J3 JA * 87-018-032 CAP, CERA-SOL S 100P +++ C169

ELECTRICAL MAIN PARTS LIST (BX-120)

S/M Code No. 85-011 1/4

• +++ mark denotes a component of assembled part which part code is represented by a previously stated component. • * -mark means less required items and availabilities may be limited.

CAPACITORS No mark, U, UF: μ F

COILS MMH: mH $\mathsf{UH}: \mu\mathsf{H}$

FUSE MMA:mA

Ref. No. Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No	o. Part No.	Description
D22 87-020-401	DIODE,1SS176			CAP,CERA-SOL S 100P	Δ		AC CORD (E) (E,Z ONLY)	=== 10	C ===	•
	DIODE, ZENER HZ7C2L			CAP, ELECT, 33-10	A		AC CORD (K) (K ONLY)		07 000 434	10 04650
	DIODE,1SS176 DIODE,1SS176			CAP,ELECT,33-10 CAP,ELECT 4.7-50	△		AC CORD BUSHING D (H,U ONLY) AC CORD BUSHING (E,K,Z ONLY)		87-020-431	IC,BA658 IC,C-MOS4001 NOR
023 87-020-401	DIODE, 133170	0173	07-015-090	CA , LLEG 1 4.7-30	Δ	07 005 105	NO COND BOSITING VEIN, 2 ONE!		87-020-429	
D26 87-020-401	DIODE,1SS176	C174	* 87-015-698	CAP,ELECT 4.7-50	∆ S₩22	87-031-685	ROTARY SW (VOLTAGE SELECTOR) (H ONLY)		87-027-895	
D27 87-020-401	DIODE,188176			CAP,ELECT 0.1-50	<u> </u>		TRANSFORMER P.T (H) (H ONLY)			•
	DIODE,1SS176			CAP,ELECT 0.22-50V	△ T1		TRANSFORMER P.T (U) (U ONLY)			IC,NJM4560
D29 87-027-555	DIODE, ZENER HZ5C2	C178	* 87-015 - 692	CAP,ELECT 0.22-50V	△ T1	81-731-608	TRANSFORMER P.T (E) (E,Z ONLY)		87-020-162	IC,STK1070
D30 87-020-401	DIODE,1SS176	D34	* 87_027_889	LED LN342GP (TAPE)	∆ T1	81-731-609	TRANSFORMER P.T (K) (K ONLY)		§ 87-020-207§ 87-027-656	
	DIODE,133176 DIODE,18S176	D35	* 87-027-889	LED LN342GP (TUNER)	25.11	01 751 002	TOTAL STATE OF THE		G 67-027-030	10,1040000
	DIODE,1SS176	D36	* 87-027-889	LED LN342GP (AUX)					87-027-787	IC,UPC1237H
	DIODE, 1SS176	D37	* 87-027-889	LED LN342GP (PHONO)						
D26 07 027 40E	DIODE 75150 003 350	0.30	+ 07 027 000	LED 11/2430B (00.)				T	DANCICTOD	
	DIODE,ZENER RD2.2EB DIODE,1SS176	D38 D40		LED LN342GP (CD) LED,TLR-206RPH (MUTE)				11	RANSISTOR ===	
	DIODE,188176	D41		LED, TLR-206RPH (DSL)					* 89-503-890	FFT 2SK389
	DIODE,1SS176	D42		LED, TLR-206RPH (GE)						TRANSISTOR, 2SA1015, GR
									89-110-203	TRANSISTOR, 2SA1020,0 (EXCEPT H)
	DIODE, ZENER RO-6.2EB	D43		DIODE, 188176					89-111-246	TRANSISTOR, 2SA1124,R
	DIODE,188176	D44		DIODE, 188176					00 004 000	TRANSLETOR SERVER (EVOCAT II)
D42 87-020-401 D43 87-020-401	DIODE,1SS176 DIODE,1SS176	D45 D46		DIODE,1SS176 DIODE,1SS176						TRANSISTOR, 2SB688 (EXCEPT H) TRANSISTOR, 2SC1815, GR
043 07-020-401	010DE, 133170	540	07 020-401	0.002,100170						TRANSISTOR, 2SCIBID, GR
D45 87-020-401	DIODE,1SS176	D47	87-020-401	DIODE,188176						TRANSISTOR, 2SC2001K
	DIODE, ZENER HZ-681	D80		LED, LN350GPH (VOLUME LEVEL)						
D65 87-020-401	DIODE,1SS176	D8 1	* 87-020-399	LED, LN350GPH (VOLUME LEVEL)						TRANSISTOR, 2SC2632, R
D66 87-027-606	DIODE, ZENER HZ7C2L	D82	* 87-020-399	LED,LN350GPH (VOLUME LEVEL)						TRANSISTOR, 2SC2655(0) (EXCEPT H)
07 027 475	DIODE TENED UT 601	D83	* 87_020_300	LED, LN350GPH (VOLUME LEVEL)						TRANSISTOR,2SC3381 TRANSISTOR,2SD718 (EXCEPT H)
	DIODE,ZENER HZ-6B1 DIODE,1SS176	D84		LED, LN350GPH (VOLUME LEVEL)					09-407-102	TRANS1310R,230710 (EXCEPT 117
	DIODE,188176	D85	* 87-020-399	LED, LN350GPH (VOLUME LEVEL)					89-412-753	TRANSISTOR, 2SD1275
	DIODE,1SS176	D86	* 87-020-399	LED, LN350GPH (VOLUME LEVEL)					89-413-023	TRANSISTOR, 2SD1302S
D71 07 027 421	DIODE ZENED DD 6 3ED	D87	* 87-020-399	LED,LN350GPH (VOLUME LEVEL)						
	DIODE,ZENER RD-6.2EB DIODE,1SR35-200	D88		LED, LN350GPH (VOLUME LEVEL)				=== MA	AIN CIRCUIT BOA	ARD SECTION ===
	DIODE, 184841	D89	* 87-020-399	LED, LN350GPH (VOLUME LEVEL)						
	DIODE, ZENER HZ4C2	SW10	87-031-897	PUSH SW,SEA (POWER STANDBY/ON)				PCB-A		MAIN CIRCUIT BOARD
		6145	07 024 774	7407 CU EVO COKO44 (VOCUME UE)				C92		CAP, CERA-SOL SS 1000P
	PIN JACK,4P (PHONO)	SW15 SW16		TACT SW EVQ-QSKO4M (VOLUME-UP) TACT SW EVQ-QSKO4M (VOLUME-DOWN)				C93	* 87-015-450	CAP, ELECT 220-25V BP
J2 +++	PIN JACK, 4P (CD)	SW17		TACT SW EVO-OSKO4M (TAPE)				C171	* 87-010-276	CAP,ELECT 56V-5600
J3 * 87-049-420 J4 +++	PIN JACK 4P-14 (AUX) PIN JACK 4P-14 (REC OUT)	SW18		TACT SW EVQ-QSK04M (PHONO)				C172	* 87-010-275	CAP,ELECT 56V-8200
V7 111	THE GROW TI - IT THE COULT			**************************************						CAP,ELECT 56V-5600
J5 81-739-630	JACK, ASSY (PLAYER SYNC)	SW19	87-031-771	TACT SW EVQ-QSKO4M (TUNER)				C174	* 87-010-275	CAP,ELECT 56V-8200
J6 +++	JACK, ASSY (REC/PLAY)	SW20		TACT SW EVQ-QSK04M (AUX)				C181	* 89-663-815	CAP,CERA-SOL 0.01UF
J7 +++	JACK, ASSY (CONTROL)	SW21 VR15		TACT SW EVQ-QSK04M (CD) SLIDE VOLUME 100KB (40HZ)				0201	+ 07 010 025	CAR FLECT 2 2/50V
J8 +++	JACK, ASSY (TUNER)	כואי	07-021-090	SCIDE FOLUME TOURD (40MZ)				D25		CAP,ELECT 2.2/50V DIODE,1SS177
J9 +++	JACK.ASSY (CD SYNC)	VR16	87-021-898	SLIDE VOLUME 100KB (125HZ)				D25		DIODE,133177
J10 +++	JACK, ASSY (VIDEO SYNC)	VR17		SLIDE VOLUME 100KB (330HZ)				D30		DIODE, ZENER 05Z-6.2L
J11 +++	JACK, ASSY (OUTPUT)	VR18		SLIDE VOLUME 100KB (1KHZ)			0			
	13P SOCKET (REMOTE CONTROL)	VR19	87-021-898	SLIDE VOLUME 100KB (2.5KHZ)				D31		DIODE,188177
		VDOO	97, 021 900	SUIDE VOLUME 100KB (6 3KUZ)				D32		DIODE,188177
	JACK 6.3 (HP) (MIX MIC)	VR20 VR21		SLIDE VOLUME 100KB (6.3KHZ) SLIDE VOLUME 100KB (15KHZ)				D33		DIODE,188177
	PUSH SW 3 (REC OUT)	11/2 1	07 021-090	SEIDE FOLDINE TOURD (TORRE)				D34	07-020-400	DIODE,1SR35-200
SW2 +++ SW5 +++	PUSH SW 3 (MUTE) PUSH SW 3 (DSL)							D48	87-020-400	DIODE,1SR35-200
3117	. 00.1 01 0 1000	=== PO	WER CIRCUIT BO	ARD SECTION ===				D49	87-027-788	DIODE,D5FB20
VR1 87-021-922	VOLUME 50KW (BALANCE)							D51	87-020-400	D10DE,1SR35-200
	VOLUME 10KB (MIC VOLUME)	PCB-C	*	POWER CIRCUIT BOARD				D52	87-020-400	DIODE,1SR35-200
				SPARK KILLER 0.01 D				053	02 000 110	DIODE 100177
FDONT OLDOWER DO	AND PECTION	Δ\F1 Λ\J14		FUSE T2.5A (E,Z ONLY) AC OUTLET (H,U ONLY)				D53		DIODE,188177
=== FRONT CIRCUIT BO	JARU SECTION	LAL 0 1-4	J. 1045-017	NO SOTELL MIJO ONE!				D54 D55		DIODE,1SS177 DIODE,1S1555
PCB-B 81-740-620	FRONT CIRCUIT BOARD			AC OUTLET (H,U ONLY)				D56		DIODE,ZENER HZ5C2
C141 * 87-015-696		∆ J14	* 87-049-416	AC OUTLET (K ONLY)						•

PCB-B	81-740-620	FRONT CIRCUIT BOARD
C141	* 87-015-696	CAP,ELECT 2.2-50
C142	* 87-015-696	CAP,ELECT 2.2-50
C145	* 87-015-431	CAP,AL 0.68-25
C146	* 87-015-431	CAP,AL 0.68-25
C155	* 87-018-040	CAP,CERA-SOL S 470P
C156	* 87-018-040	CAP,CERA-SOL S 470P
C159	* 87-018-036	CAP,CERA-SOL S 220P

C160 * 87-018-036 CAP, CERÁ-SOL S 220P

C161 * 87-015-698 CAP, ELECT 4.7-50 C162 * 87-015-698 CAP,ELECT 4.7-50 C169 * 87-018-032 CAP,CERA-SOL S 100P

87-034-992 AC CORD (H) (H ONLY) 87-303-578 AC CORD (U) (U ONLY)

+++ AC OUTLET (K ONLY)

AC OUTLET (E,Z ONLY)

* 87-049-514 AC OUTLET (E,Z ONLY)

* 87-049-416 AC OUTLET (K ONLY)

∆J15

87-027-686 DIODE,ZENER HZ12A1 87-020-110 DIODE,1SS177 87-020-110 DIODE,1SS177

87-020-110 DIODE,1SS177 (EXCEPT H)

87-020-110 DIODE, 1SS177 (EXCEPT H) 87-020-110 DIODE, 1SS177 (EXCEPT H) 87-020-110 DIODE, 1SS177 (EXCEPT H)

81-738-630 JACK PLATE, ASSY (INPUT)

87-027-479 DIODE, ZENER HZ27-2 (EXCEPT H)

JACK PLATE, ASSY (SPEAKERS A(L))

D57

D58 D59

D60

D61 D62 D63

J3

Description

VOLTAGE SELECTOR CIRCUIT BOARD

87-035-191 FUSE,T3.15A (E,K,Z ONLY)

=== VOLTAGE SELECTOR CIRCUIT BOARD SECTION (H ONLY) ===

87-031-685 ROTARY SWITCH (VOLTAGE SELECTOR)

82-304-743 1P TERMINAL

87-033-147 FUSE CLAMP

87-035-256 FUSE,3.15A

* 87-034-578 AC CORD,U (U ONLY) * 82-788-674 AC CORD,E50 (E,Z ONLY)

* 87-034-708 AC CORD, K50B (K ONLY)

* 87-085-184 AC CORD BUSHING,D (H,U ONLY)

* 87-085-185 AC CORD BUSHING (E,K,Z ONLY)
* 81-738-606 TRANSFORMER PT,H (H ONLY)
* 81-738-607 TRANSFORMER PT,U (U ONLY)

* 81-738-608 TRANSFORMER PT,E (E,Z ONLY)

* 81-738-609 TRANSFORMER PT,K (K ONLY)

The parts on the electrical parts list which are indicated by an asterisk (*) are supplied as one single combined circuit board. Therefore, they will not be supplied separately. If this becomes

87-035-312 FUSE, 7A

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
J4 J2		JACK PLATE, ASSY (SPEAKERS A(R)) JACK6.3 (PHONES)	<u></u> \$11	87-031-897	PUSH SW, SEA (POWER STANDBY/ON)
J5 L1	* 81-738-631 * 87-005-158	SPEAKER-TERMINAL (SPEAKERS B) INDUCTOR 1UH	=== DR	IVER-1 CIRCUIT	BOARD SECTION ===
L2		INDUCTOR 1UH	PCB-C	*	DRIVER-1 CIRCUIT BOARD
<u> </u>		RES,MFO 2W10 (F) RES,MFO 2W10 (F)	C3		CAP, ELECT BP 4.7-25V
ÆR223		RES, NONFLAM 1W270	C7 C9	* 87-018-121 * 87-018-124	CAP,CERA-SOL SS 150P CAP,CERA-SOL SS 270P
<u></u> AR224		RES, NONFLAM 1W270	C13		CAP, CERA-SOL SS 68P
<u></u>	* 87-025-397 * 87-025-397	RES,NONFLAM 1K 2W RES,NONFLAM 1K 2W	C17		CAP, CERA-SOL SS 10P
<u>M</u> R301		RES, FUSIBLE 1W-3.3	C19 C21		CAP,CERA-SOL 3.9P CAP,CERA-SOL SS 2.2P
 ∆R302		RES, FUSIBLE 1W-3.3	C25	* 87-018-129	CAP,CERA-SOL 680P
RY1 RY2		RELAY G2R 24V-2 RELAY G4W 24V-2	C35		CAP, ELECT 0.1-50
S1		SW SUL (AFBS (SPEAKER A))	C53 C59		CAP,CERA-SOL SS 15P CAP,CERA-SOL SS 220P
\$5	+++	SW SUL (SPEAKERS A)			
\$6	+++	SW SUL (SPEAKERS B)	D1 D3		DIODE,ZENER HZ16-2 DIODE,1SS177
-			D5		DIODE, ZENER HZ16-2
ED/	NIT CLOCKLET DO	ADD CECTION	D7 ·		D100E,1SS177
FRC	ONI CIRCUII BO	ARD SECTION ===	D15	87-027-625	DIODE,ZENER 05Z-6.8U
PCB-B	*	FRONT CIRCUIT BOARD	D17	87-027-625	DIODE, ZENER 05Z-6.8U
C105		CAP,ELECT 0.22-50 CAP.ELECT 0.22-50	 AR43	* 87-029-112	RES, FUSIBLE 1/4W-330
C106 C107		CAP, ELECT 2.2-50	SFR1	* 87-021-856	SFR 100
C108	* 87-015-694	CAP,ELECT 0.47-50V	=== DR	IVER-2 CIRCUIT	BOARD SECTION ===
C111		CAP, ELECT 2.2-50			
C112 C115		CAP,ELECT 0.47-50V CAP,ELECT 2.2-50	PCB-D	* * 97_015_390	DRIVER-2 CIRCUIT BAORD
0113			C4 D2		CAP,ELECT BP 4.7-25V DIODE,ZENER HZ16-2
C116		CAP, ELECT 0.47-50V	D4		DIODE 1SS177
C119 C120		CAP,ELECT 2.2-50 CAP,ELECT 0.47-50V	06	97 027 460	DIODE 75NCD 11716 2
C123		CAP,ELECT 2.2-50	D6 D8		DIODE,ZENER HZ16-2 DIODE,1SS177
			C8	*.87-018-121	CAP, CERA-SOL SS 150P
C124 C125		CAP, ELECT 0.47-50V CAP, CERA-SOL 680P	C10	* 87-018-124	CAP,CERA-SOL SS 270P
C126		CAP, CERA-SOL 680P	C14	* 87-018-117	CAP, CERA-SOL SS 68P
C127	* 87-015-696	CAP,ELECT 2.2-50	C18		CAP, CERA-SOL SS 10P
C128	* 87-015-694	CAP.ELECT 0.47-50V	C20 C22	* 87-018-099 * 87-018-097	CAP,CERA-SOL 3.9P CAP,CERA-SOL SS 2.2P
	* 87-018-124	CAP, CERA-SOL SS 270P	022	07-010-037	On , OLIVI - 30E 33 2.2F
C130	* 87-018-124		C26		CAP, CERA-SOL 680P
C131	- 67-013-696	CAP,ELECT 2.2-50	C36 C54		CAP,ELECT 0.1-50 CAP.CERA-SOL SS 15P
C132		CAP, ELECT 0.47-50V	C60		CAP, CERA-SOL SS 220P
C133		CAP, ELECT 2.2-50	246	07 007 605	DIODE 75/50 057 6 00
C134 C135	* 87-015-694	CAP,ELECT 0.1-50 CAP.ELECT 0.47-50V	D16 D18		DIODE,ZENER,05Z-6.8U DIODE,ZENER 05Z-6.8U
			 AR44		RES, FUSIBLE 1/4W-330
C137 C138		CAP,ELECT 22-35V CAP,ELECT 22-16	SFR2	* 87-021-856	SFR 100
C144		CAP, CERA-SOL SS 470P			
C146	* 87-018-130	CAP, CERA-SOL 820P	=== FUS	SE CIRCUIT BOA	RD SECTION ===
C147		CAP,ELECT 0.1-50	PCB-E	*	FUSE CIRCUIT BOARD (EXCEPT H)
C151		CAP,ELECT 35-10V			1P TERMINAL (EXCEPT H)
D35 D36	87-020-110	DIODE,1SS177 DIODE,1SS177	Æ ÆF1		FUSE CLAMP (EXCEPT H) FUSE,5A (U ONLY)
D37		DIODE,1SS177	<u></u> ∱F1	87-035-190	FUSE,T2A (E,K,Z ONLY)
D38	87-020-110	DIODE, 1SS177	7.3.		
D39 D40		DIODE,1SS177 DIODE,1SS177	=== FUS	E SUB CIRCUIT	BOARD SECTION ===
D41	87-020-110	D100E,1SS177	PCB-F	*	FUSE SUB CIRCUIT BOARD (EXCEPT H)
D42	87-020-110	DIODE,1SS177	- D65	87-027-185	DIODE, 30D2FA (EXCEPT H)
D43 D45		LED, TLR-206RPH (AFBS (SPEAKER A))	D66		DIODE,30D2FA (EXCEPT H)
U49	07-027-080	DIODE, ZENER HZ12A1	D67	87-027-185	DIODE,30D2FA (EXCEPT H)
D46		DIODE 1SS177	D68		DIODE,30D2FA (EXCEPT H)
D47 FL	87-020-110 * 81-738-640	DIODE,1SS177 FL CP1057GR	<u></u> ∱F3 ♠F3		FUSE,4A (U ONLY)
 R229		RES, FUSIBLE 120 1/4W	∆ F3 ∆ F4		FUSE,T3.15A (E,K,Z ONLY) FUSE,4A (U ONLY)
			_		

C-MOS IC handling precaution

The C-MOS IC's construction makes this part susceptible to damage by static electricity and so take sufficient care in regard to following articles.

- Need to be put on conductive sheet, to be put in a metallic box and to be wrapped by aluminium foil for transportation and deposit.
- To use solder iron less than 40W (less than 260 ℃) of power consumption for soldering. But do not overheat more than 10 second.
- 3. Do not perform a conductivity test with a tester, etc. Refer to the circuit voltages of each part.
- 4. The ICs on the electrical parts which are indicated by an C-MOS IC symbol mark (例).

⚠ Safety component symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

Ref. No.

PCB-G

₽F4

♠F1

∆S12

. ΏT1

<u>Λ</u>Τ1

∆T1

[GX-120]

[BX-120]

PCB-A 81-739-611 PCB-B 81-739-612

PCB-A 81-738-611 PCB-B 81-738-612 PCB-C 81-738-613 PCB-D 81-738-614

Part No.

=== MISCELLANEOUS ===

Note; Combination Circuit Board

necessary, please order the entire circuit board.

Combination circuit board 81-729-610

Combination circuit board 81-738-610

PCB-E 81-738-616 (EXCEPT H)
PCB-F 81-738-617 (EXCEPT H)
PCB-G 81-738-618 (H ONLY)

Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
(SPEAKERS A(R))	<u></u> ≜ S11	87-031-897	PUSH SW, SEA (POWER STANDBY/ON)	<u></u> ∱ F4	87-035-191	FUSE,T3.15A (E,K,Z ONLY)
L (SPEAKERS B)	=== DRI	IVER-1 CIRCUIT	BOARD SECTION ===	=== vo	LTAGE SELECTOR	R CIRCUIT BOARD SECTION (H ONLY) ===
1	PCB-C	*	DRIVER-1 CIRCUIT BOARD	PCB-G	* 742	VOLTAGE SELECTOR CIRCUIT BOARD
, , 70	C3 C7 C9	* 87-018-121	CAP,ELECT BP 4.7-25V CAP,CERA-SOL SS 150P CAP,CERA-SOL SS 270P	∱ ∱F1	87-033-147 87-035-312	
70	C13	* 87-018-117	CAP,CERA-SOL SS 68P	 ∆F2	87-035-256	FUSE,3.15A
2W 2W	C17 C19	* 87-018-104	CAP,CERA-SOL SS 10P CAP,CERA-SOL 3.9P	∆ S12		ROTARY SWITCH (VOLTAGE SELECTOR)
3.3	C21		CAP, CERA-SOL SS 2.2P	141		_
3.3	C25	* 87-018-129	CAP,CERA-SOL 680P	=== MI:	SCELLANEOUS ==	=
	C35		CAP,ELECT 0.1-50	<u>A</u>		AC CORD,U (U ONLY)
EAKER A))	C53 C59		CAP,CERA-SOL SS 15P CAP,CERA-SOL SS 220P	<u>^</u> ^		AC CORD,E50 (E,Z ONLY) AC CORD,K50B (K ONLY)
s A)				$\stackrel{\sim}{\mathbb{A}}$	* 87-085-184	AC CORD BUSHING,D (H,U ONLY)
S B)	D1 D3	87-027-469 87-020-110	DIODE,ZENER HZ16-2 DIODE,1SS177	À	* 87-085-185	AC CORD BUSHING (E,K,Z ONLY)
	D5	87-027-469	DIODE, ZENER HZ16-2	<u></u> ↑T1	* 81-738-606	TRANSFORMER PT,H (H ONLY)
	D7 ·	87-020 - 110	DIODE,1SS177	<u> </u>	* 81-738-607 * 81-738-608	TRANSFORMER PT,U (U ONLY) TRANSFORMER PT,E (E,Z ONLY)
	D15		DIODE, ZENER 05Z-6.8U			
DARD 50	D17 <u>∱</u> R43		DIODE,ZENER 05Z-6.8U RES,FUSIBLE 1/4W-330	<u> </u>	* 81-738-609	TRANSFORMER PT,K (K ONLY)
50		* 87-021-856				
50V D	=== DRI	VER-2 CIRCUIT	BOARD SECTION ===		ombination Ci	
50V	PCB-D	*	DRIVER-2 CIRCUIT BAORD			cal parts list which are indicated by an as one single combined circuit board.
	C4 D2		CAP,ELECT 8P 4.7-25V DIODE,ZENER HZ16-2			be supplied separately. If this becomes
50V	D4		DIODE 188177			entire circuit board.
50V	D6	87-027-469	DIODE, ZENER HZ16-2	[OV 10	201	
)	D8	87-020-110	DIODE, 188177	[GX-12		
50V			CAP,CERA-SOL SS 150P CAP,CERA-SOL SS 270P		ation circuit be	oard 81-729-610
)P					81-739-611	
)P)			CAP, CERA-SOL SS 68P CAP, CERA-SOL SS 10P	РСВ-В	81-739-612	•
E.,	C20	* 87-018-099	CAP, CERA-SOL 3.9P	[BX-12	n1	
50V 270P	C22	* 87-018-097	CAP,CERA-SOL SS 2.2P	=		
270P	C26	* 87-018-129	CAP,CERA-SOL 680P		ation circuit be	oard 81-738-610
)			CAP,ELECT 0.1-50		81-738-611	
50V			CAP, CERA-SOL SS 15P CAP, CERA-SOL SS 220P		81-738-612 81-738-613	
	016	07 027 625	DIODE 75NFD 057 6 911		81-738-614	
, 50V	D16 D18		D10DE,ZENER,05Z-6.8U D10DE,ZENER 05Z-6.8U		81-738-616 (EXCEPT H)
,		* 87-029-112	RES, FUSIBLE 1/4W-330		81-738-617 (
	SFR2	* 87-021-856	5FR 100		81-738-618 (I	
470P)P	=== FUS	E CIRCUIT BOA	RD SECTION ===			×
)	PCB-E	*	FUSE CIRCUIT BOARD (EXCEPT H)			
	٨		1P TERMINAL (EXCEPT H)			
	Æ Æ1		FUSE CLAMP (EXCEPT H) FUSE,5A (U ONLY)			
	ΛF1		FUSE,T2A (E,K,Z ONLY)			
	=== FUS	E SUB CIKCUIT	BOARD SECTION ===			
	PCB-F	* 87_027_185	FUSE SUB CIRCUIT BOARD (EXCEPT H) DIODE,30D2FA (EXCEPT H)			
AFBS (SPEAKER A))	D65		DIODE,3002FA (EXCEPT H)			
A1	D67		DIODE,30D2FA (EXCEPT H)			
	D68	87-027-185	DIODE,30D2FA (EXCEPT H)			
	 ∱F3	87-035-303	FUSE, 4A (U ONLY)			
1/4W	<u> </u>	87-035-191 87-035-303	FUSE,T3.15A (E,K,Z ONLY) FUSE,4A (U ONLY)			
	٠, ٠	J. 005 303	· vary in two winks f			

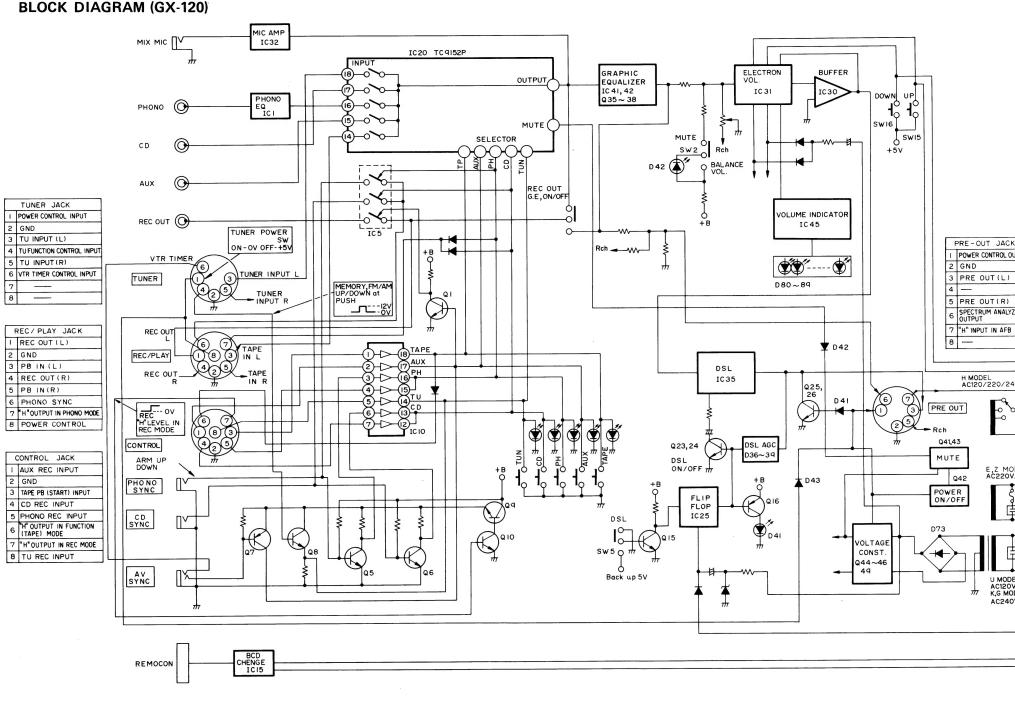
C-MOS IC handling precaution

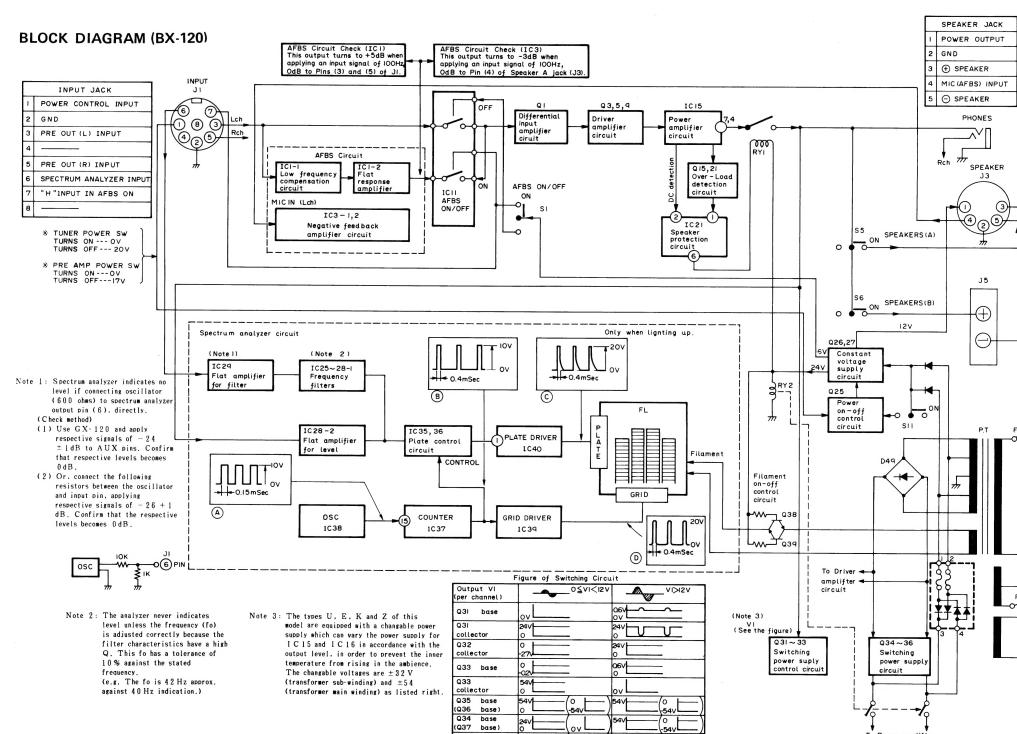
The C-MOS IC's construction makes this part susceptible to damage by static electricity and so take sufficient care in regard to follow-

- 1. Need to be put on conductive sheet, to be put in a metallic box and to be wrapped by aluminium foil for transportation and
- 2. To use solder iron less than 40W (less than 260°C) of power consumption for soldering. But do not overheat more than 10 second.
- 3. Do not perform a conductivity test with a tester, etc. Refer to the circuit voltages of each part.
- 4. The ICs on the electrical parts which are indicated by an C-MOS IC symbol mark ((*)).

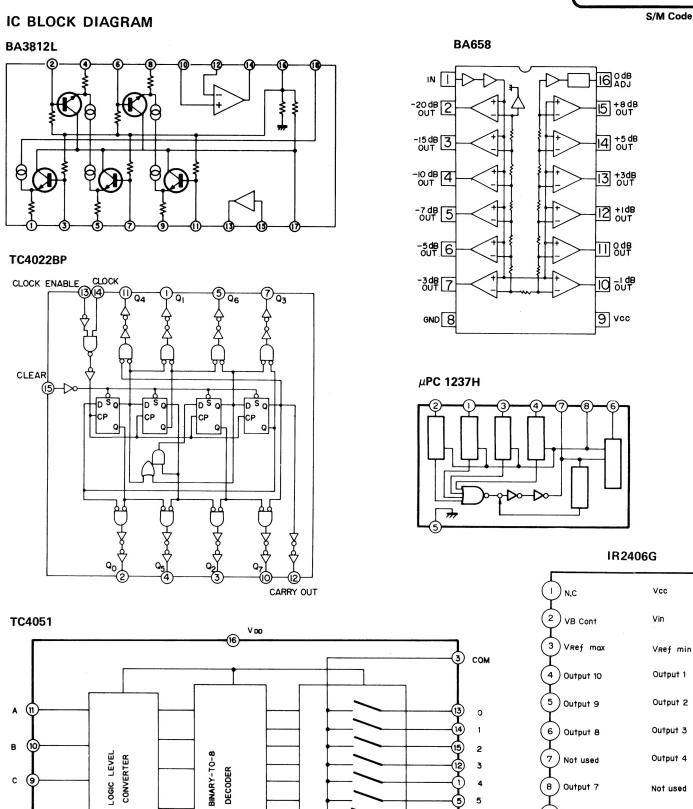
⚠ Safety component symbol

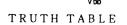
This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.





emitte





INH 6

CONTROL	1.3	DII	T. C.	"ON#
CONTROL	IN	PU	15	"ON" CHANNEL
INHIBIT	С	В	Α	CHANNEL
L	L	L	L	0
L	L	L	Н	1
L	L	Н	L	2
L	L	Н	Н	3
L	Н	L	L	4
L	Н	L	Н	5
L	Н	Н	L	6
L	Н	Н	Н	7
Н	*	*	*	NOTE
፠ Don't C	are			

VEE



2SA1015

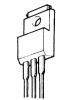
2SA1124

2SC945 2SC1815 2SC2001 2SC2632 2SD1302



2SA1020

2SC2655



2SB1015

2SD1406

5

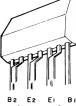
6



(a) N.C

(11) GND

(10) Output 6



N.C

N,C

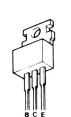
Output 5

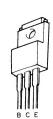
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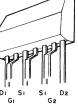
(12)

2SB1067

B2 E2 E1 B1 2SC3381







2SD718

2SD688

2SD880

2SD1275 2SK389

NOTES:

- 1) The voltage is the reference value measured with a tester (20 k-ohms/V DC) when there are no signals.
- Resistors with no designation have a rated power of 1/8W and a tolerance of ±5%.
- Capacitors with no designation have a dielectric strength of less than 50WV.
- The only capacitor tolerance indicated are ±5% (J) and $\pm 10\%$ (K).
- 5) Ceramic capacitor symbols:
 - High dielectric constant system (YY)
 - High dielectric constant system (YW, YP, YZ)
 - Semiconductor ceramic
- 6) Explanation of symbols
 - Mylar capacitor
 - Aluminum solid capacitor P Polypropylene film capacitor
 - BP Bi-polarized capacitor Low-leakage capacitor
 - Tantalum capacitor
 - Styrol capacitor

A Safety component symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications.

Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

This schematic diagram is subject to change without notice in the interests of improved performance.

PRE-OUT JACK

PRE OUT (L)

5 PRE OUT (R)

SPECTRUM ANALYZER 7 "H" INPUT IN AFB ON

H MODEL AC120/220/240V,50/60Hz

申

E,Z MODEL AC220V,50/60Hz

GND

PRE OUT

Q41,43 MUTE

D73

+

042

SPEAKER JACK

POWER OUTPUT

MIC (AFBS) INPUT

PHONES

@@9

 \oplus

 Θ

E,Z MODEL AC220V 50/60Hz K MODEL AC240V 50/60Hz

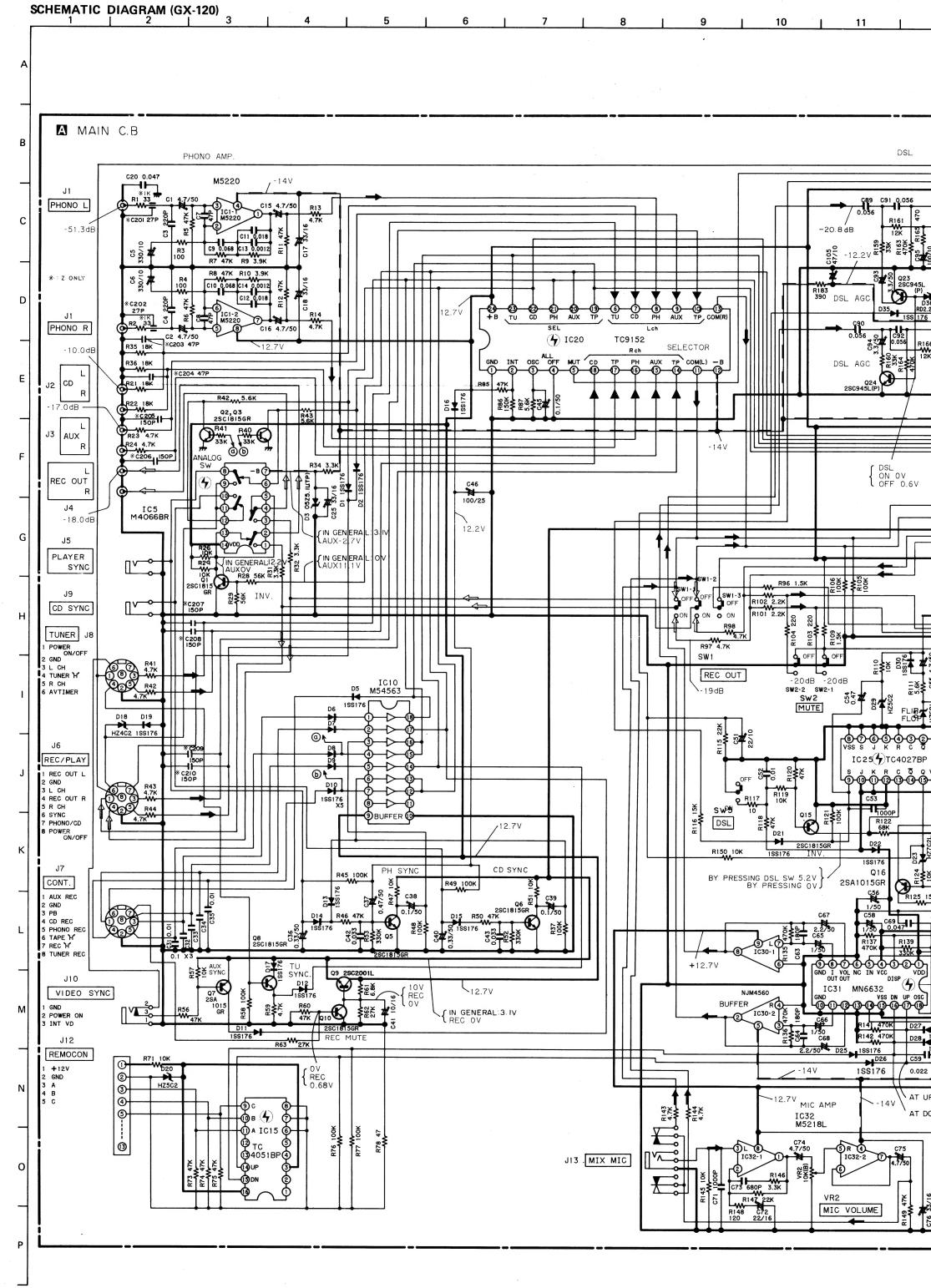
H MODEL AC120/220/240V 50/60Hz

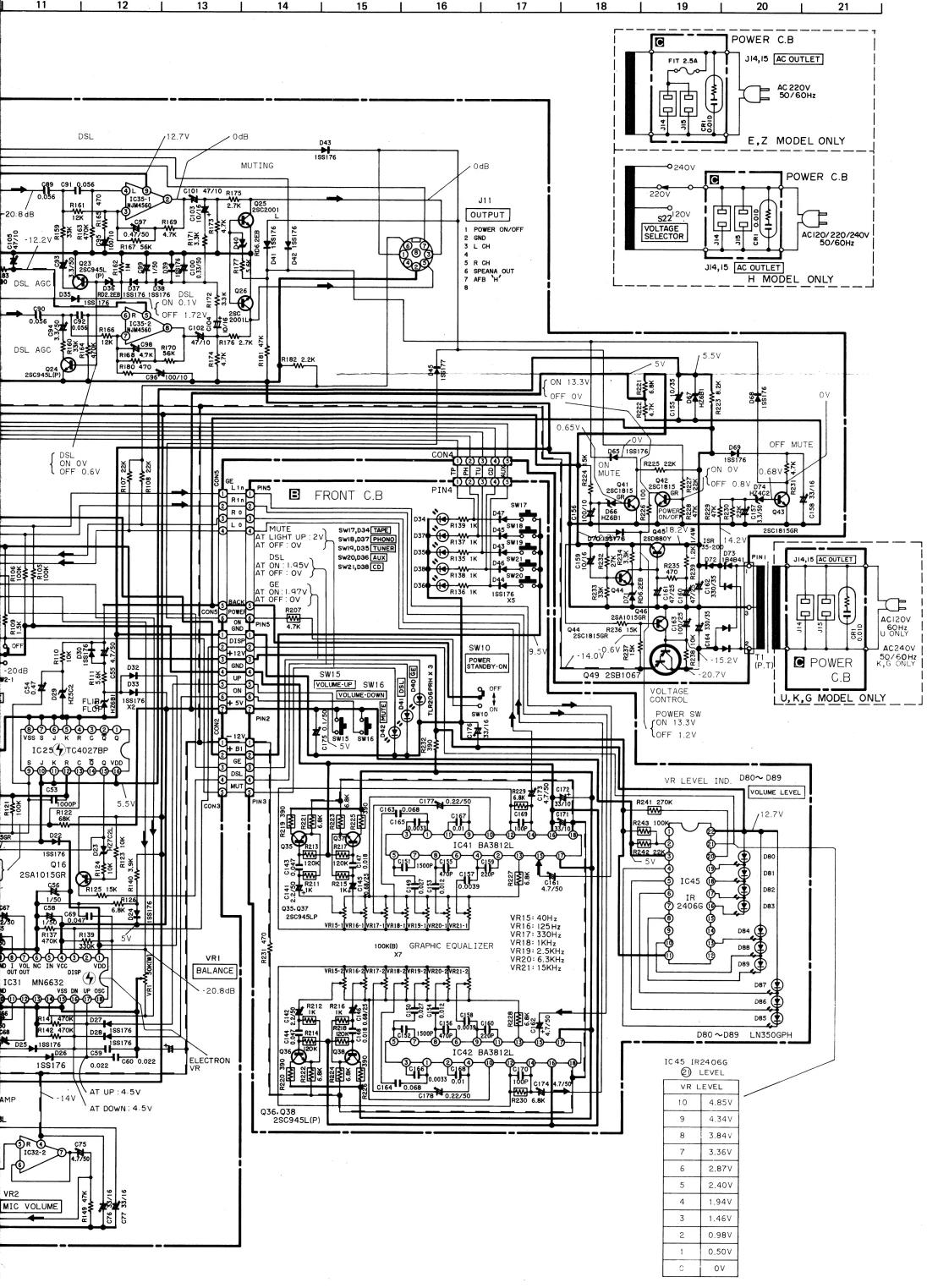
AKERS (A)

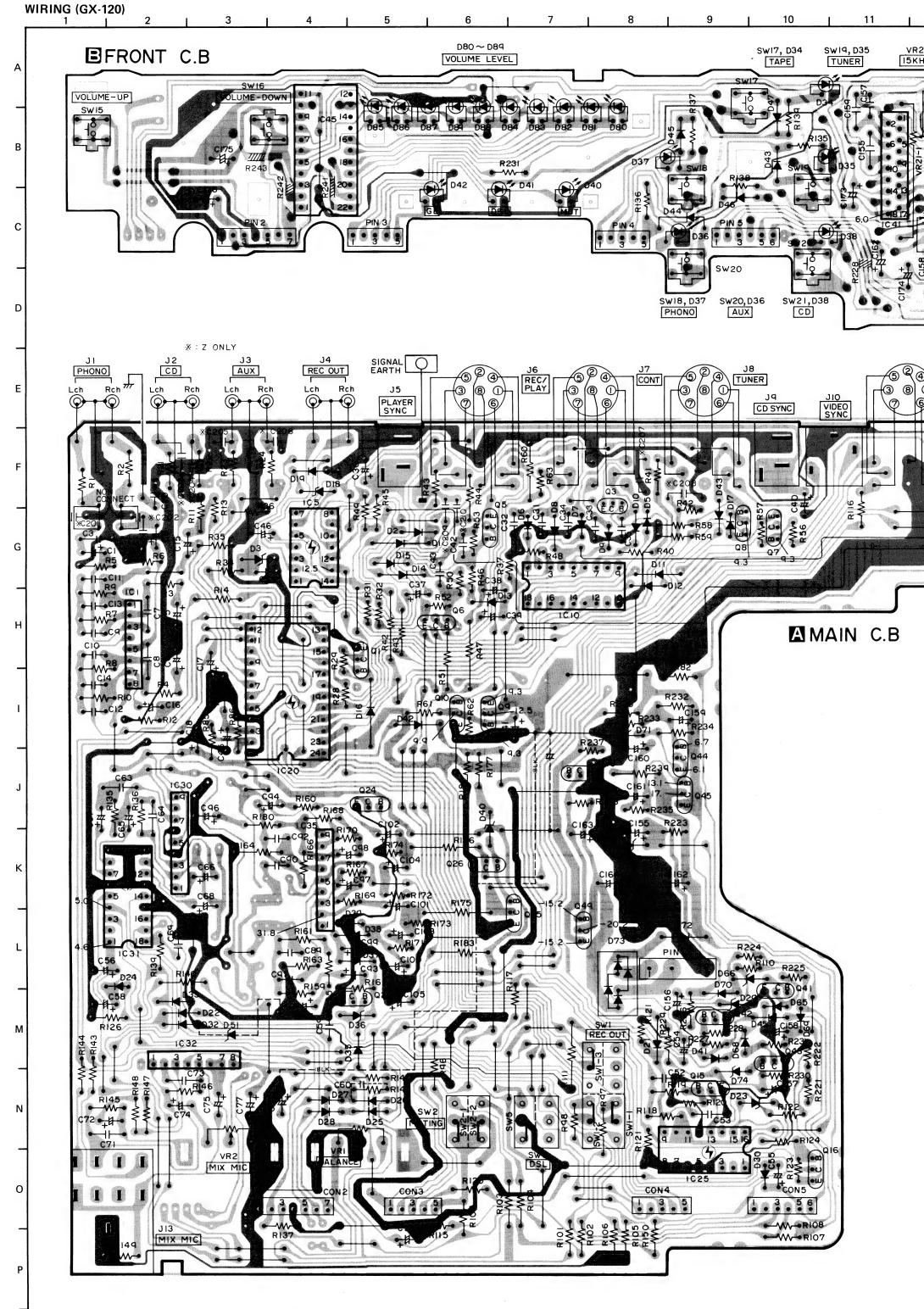
GND SPEAKER

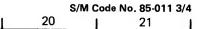
5 SPEAKER

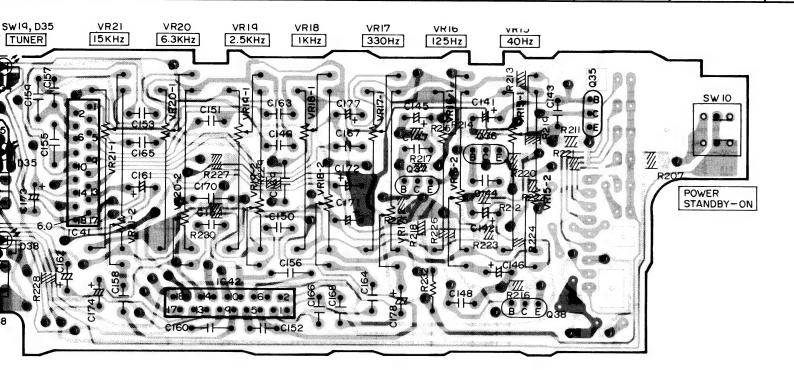
POWER CONTROL OUTPUT

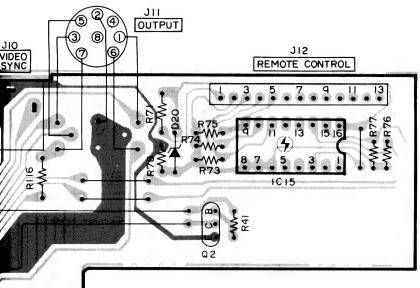










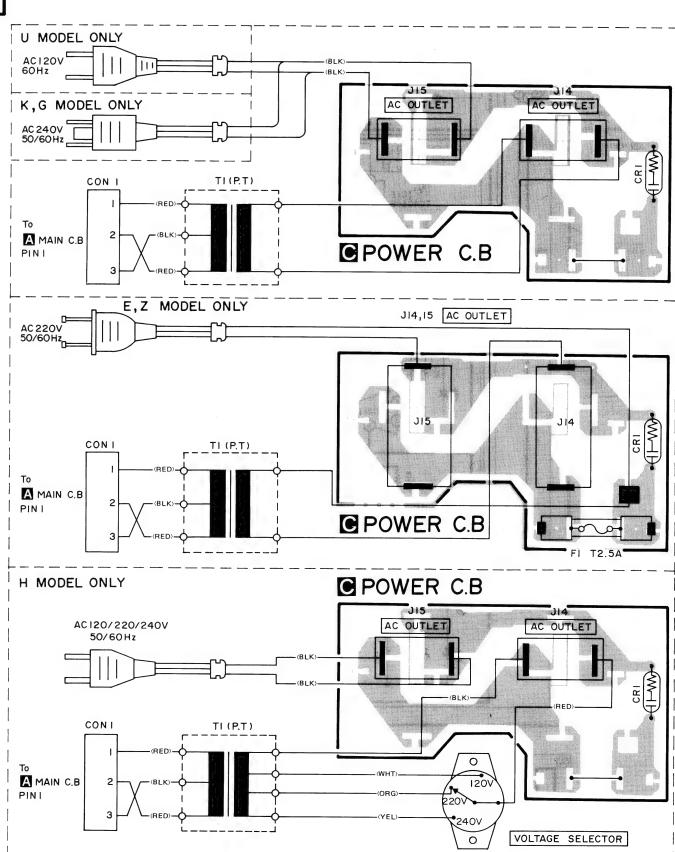


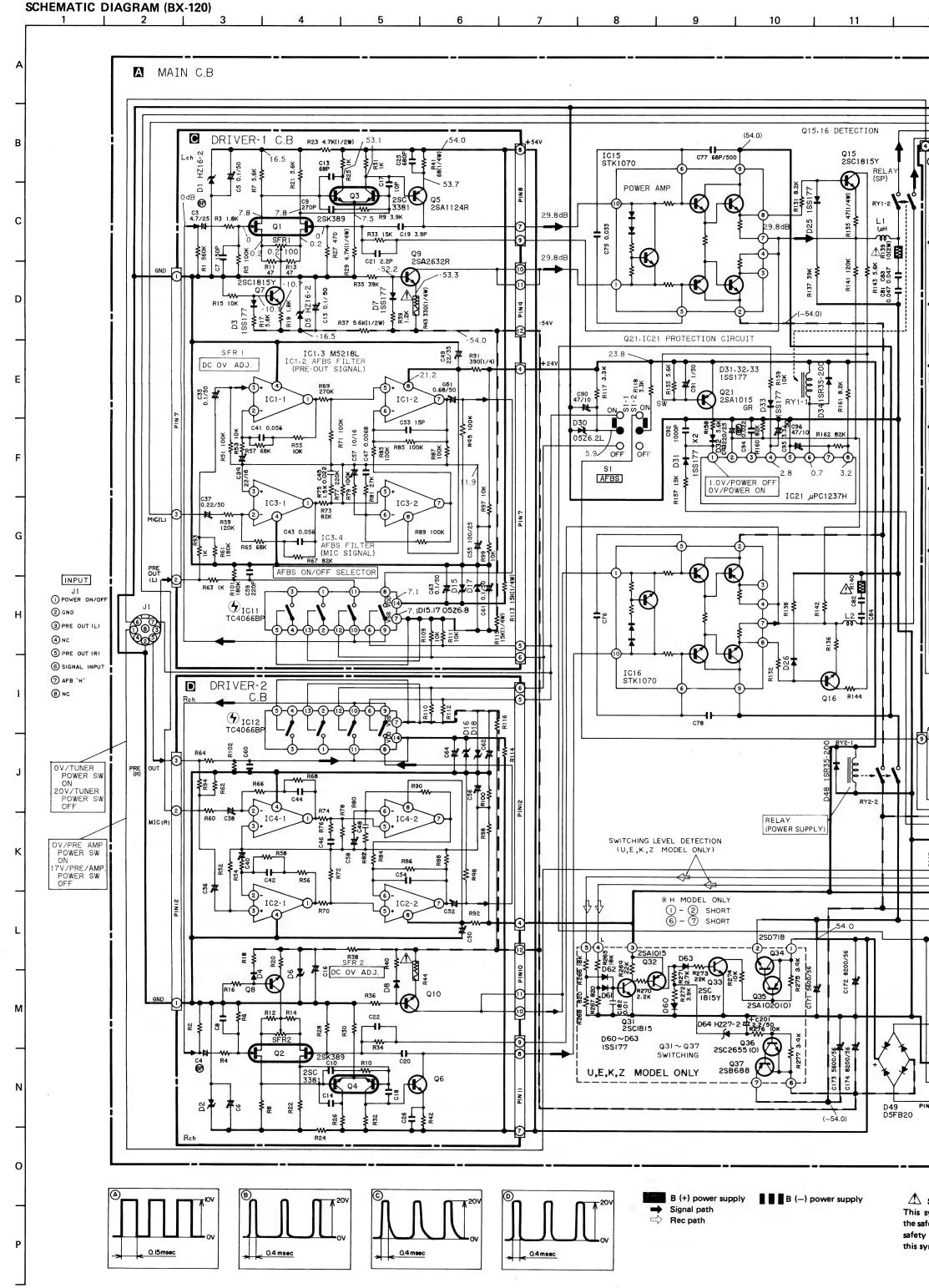
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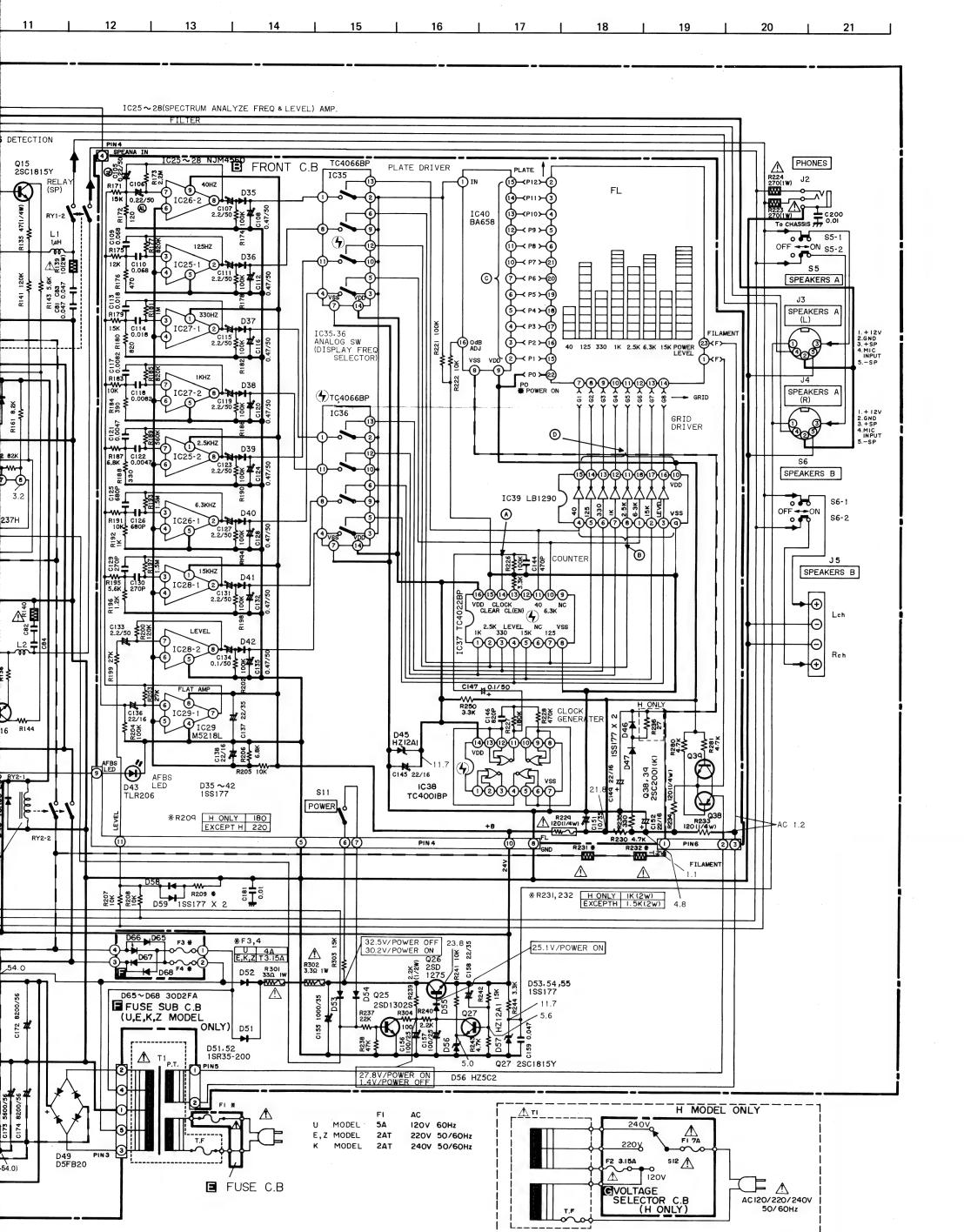
NOTES (1) Earth pattern Component side pattern Others pattern

(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.

AIN C.B



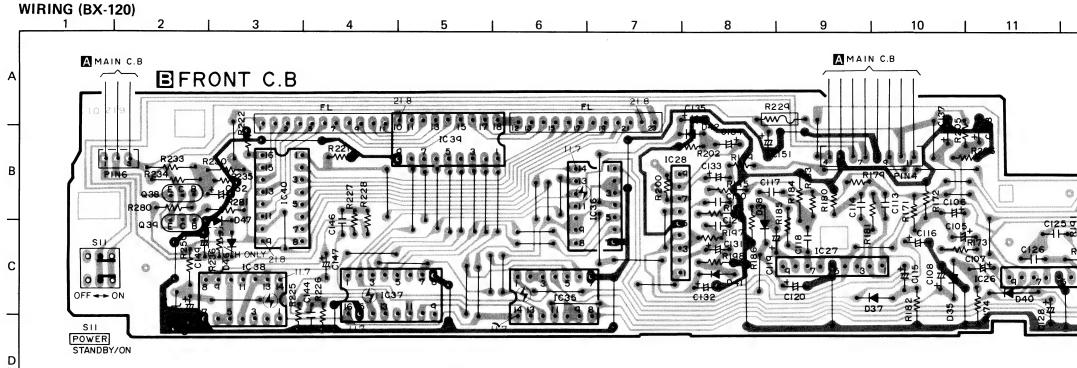


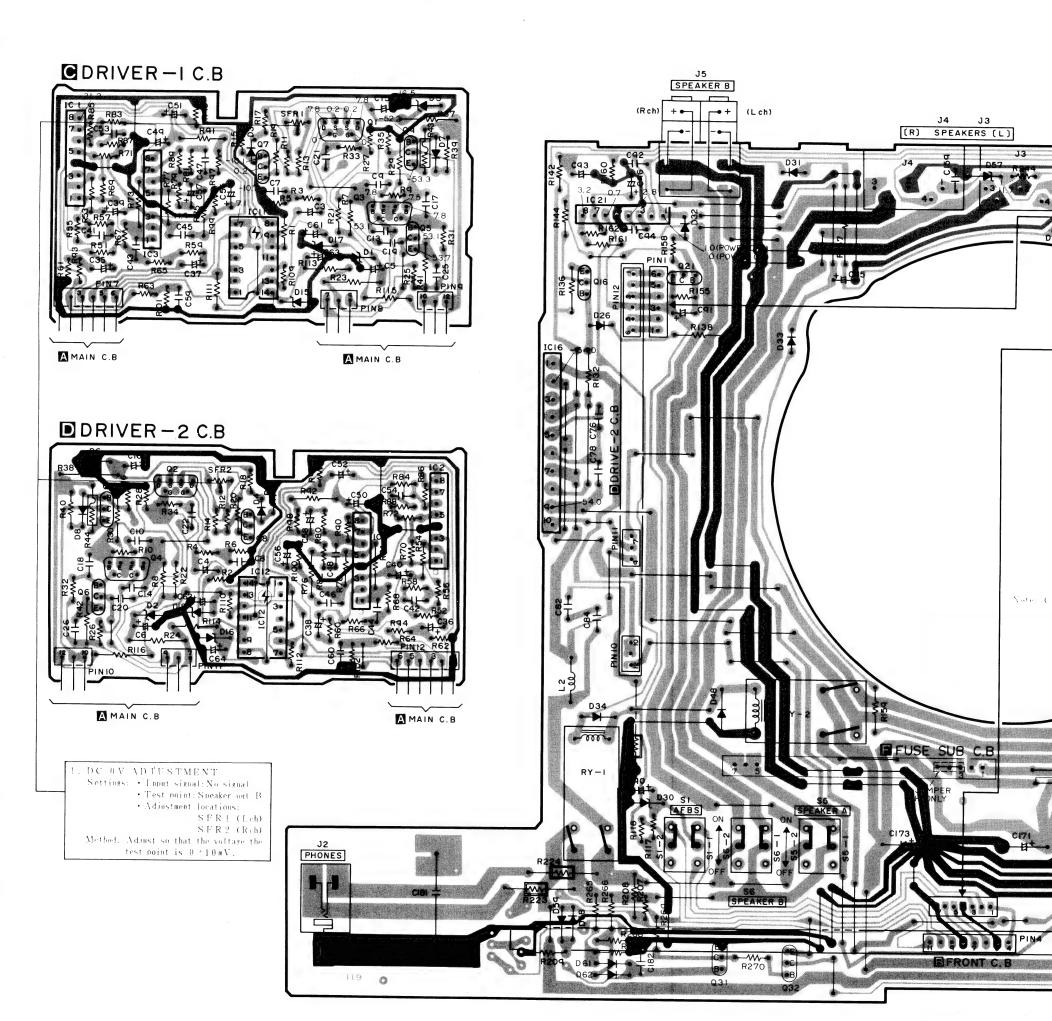


A Safety component symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

r supply





NOTES (1) Earth pattern Others pattern

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(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals. An asterisk (*) indicates that the value was measured with a vacuum-tube voltmeter during recording.

The ICs on the electrical parts which are indicated by

S/M Code No. 85-011 4/4 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |

> To A MAIN C.B

MAIN C.B

A MAIN C.B

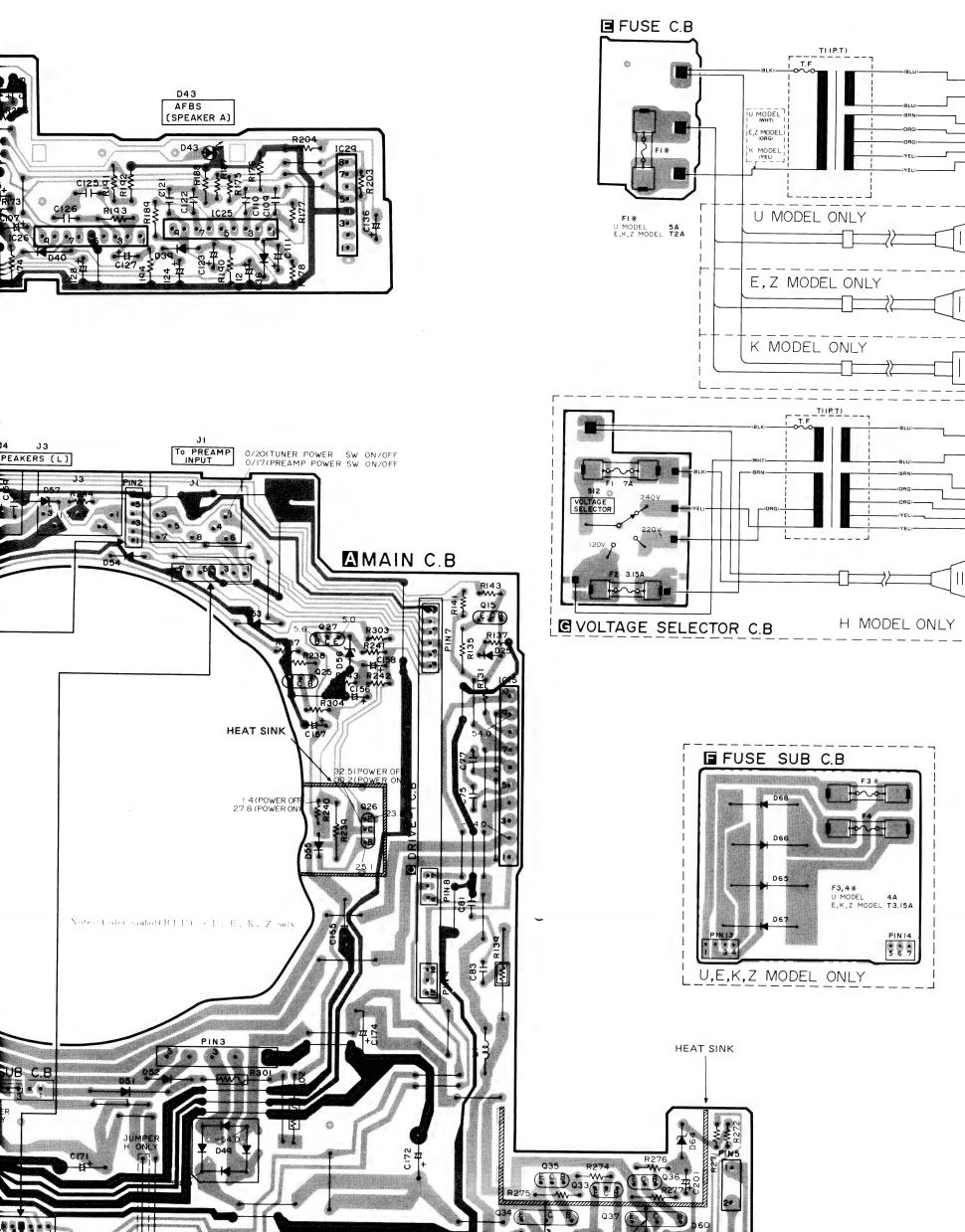
A MAIN C.B

AC 120/220/240V 50/60Hz

PIN5

CONS

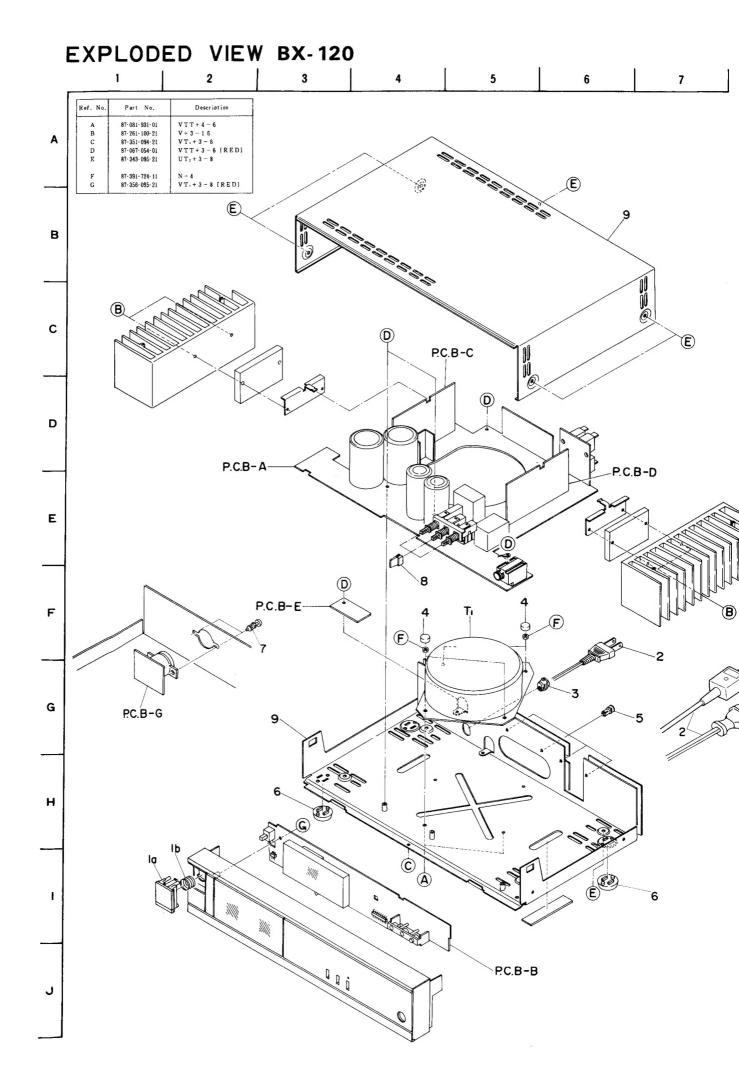
PIN5



which are indicated by an C-MOS IC symbol mark (④).

* * * * * * * * * * * * * * * * * * *	A A A MEMOA A A A A	* * * * * * * * * * * * * * * * * *
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EXPLODED VIEW GX-120 1 2 3 5 6 7 Part No. Description 87-067-054-01 87-351-094-21 87-351-095-21 87-348-095-01 87-081-481-01 87-356-095-21 V+3-6 VT,+3-6 VT,+3-8 UT,+3-8 VTT+3-5 VTT+3-5 D (D) 8 В @ С (D) D 3 P.C.B-A P.C.B-C E F P.C.B-C P.C.B-C 9 G (C) P.C.B-B Н SW22 Id ĺb İc 2 B



PARTS LIST

MECHANICAL PARTS LIST

★mark in this part list shows exclusive part
 ★mark means less required items and availabilities may be limited.

Part No. changed to	Ref. No.	Part No.	Description	Common Model	Q' ty	
	1	★ 81-739-028	FRONT CABINET UB Ass'y	*	1	
	l a	★ 81-740-007	PLATE G		1	
	1 b	★ 81-740-020	KNOB G		7	
	1 c	★ 81-740-021	SHEET G		7	
	1 d	★ 81-740-050	PUSH-KEY POWER B Ass'y		1	
	1 e	★ 81-740-208	C-SPRING, POWER		1	
	1 f	★ 81-740-211	T-SPRING, A		1	
	1 g	★ 81-740-212	T-SPRING, B		1	
	2	★ 87-055-057	FOOT B		4	
	3	★ 87-034-992	AC POWER CORD (H only)		1	
		★ 87-034-578	AC POWER CORD (U only)		1	
		★ 82-788-674	AC POWER CORD (E, Z only)		1	
		★ 87-034-708	AC POWER CORD (K only)		1	
	4	★ 87-085-184	CORD BUSHING (H, U only)		1	
		★ 87-085-185	CORD BUSHING (E, K, Z only)	. (1	
	5	★ 82-192-040	KNOB, B	F X-30	2	
	6	★ 82-798-023	PUSH-BUTTON, MUT	MX-90	3	
	7	★ 87-085-102	NYLON RIVET 3.5-5.5		3	
				1		
İ	8	★ 81-735-056	STEEL CABINET TB		1	
1	9	★ 87-085-090	NYLON RIVET 3-6.5 (H only)		2	

PARTS LIST

MECHANICAL PARTS LIST

● ※ mark in this part list stows exclusive part. ● ★-mark means less required items and availabilities may be limited.

. No.	Part No.	Description	Common Model	Q'ty	
1	★ 81-738-028	FRONT CABINET UB Ass'y	*	1	
1a	★ 81-740-050	PUSH-KEY POWER B Ass'y		1	
1 b	★ 81-740-208	C-SPRING, POWER		1	
2	★ 87-034-992	AC POWER CORD (H only)		1	
ļ	★ 87-034-578	AC POWER CORD (U only)		1	
1	★ 82-788-674	AC POWER CORD (E, Z only)		1	
1	★ 87-034-708	AC POWER CORD (K only)		1	
3	★ 87-085-184	CORD BUSHING (H, U only)		1	
	★ 87-085-185	CORD BUSHING (E, K, Z only)		1	
4	★ 82-781-206	PLATE NUT	SA-P80	2	
5	★ 87-085-102	NYLON RIVET 3.5-5.5		4	
6	★ 87-055-057	FOOT B		4	
7	★ 87-085-090	NYLON RIVET $3-6.5$ (H only)		2	
8	★ 82-798-023	PUSH-BUTTON, MUT	MX-90	3	
9	★ 81-738-035	STEEL CABINET PB	*	1	
	1 1 a 1 b 2 3 4 5 6	1	1	Model	Model Mode

■ ACCESSORIES/PACKAGE LIST

GX-120

Part No. changed to	Ref. No.	Part No.	Description	Common Modei	Q'ty	-
	1	81-739-904	INSTRUCTION BOOKLET	*	1	

BX-120

Part No. changed to	Ref. No.	Part No.	Description	Common Model	Q'ty	
	1	★ 81-738-904	INSTRUCTION BOOKLET	*	1	